

FIG. 2

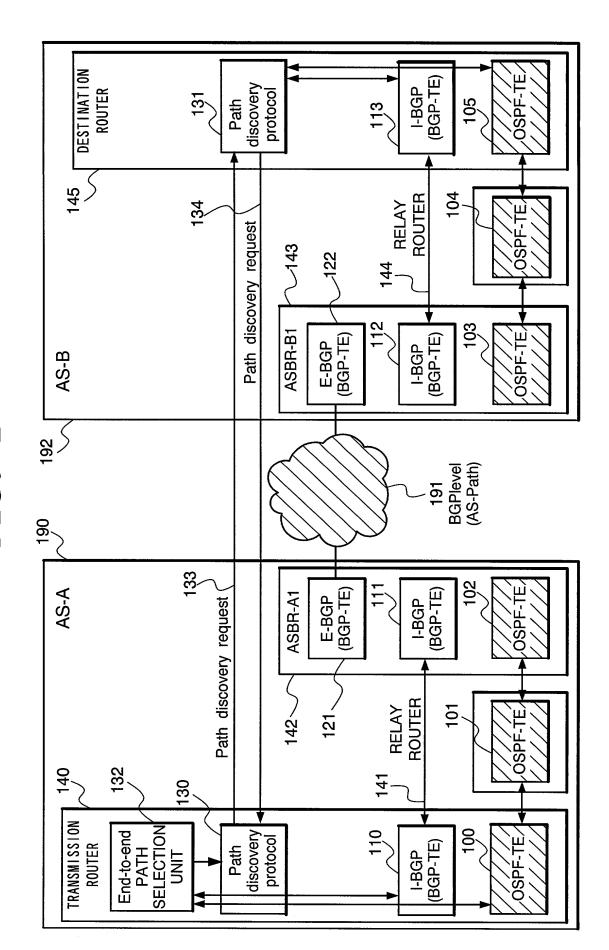


FIG. 3

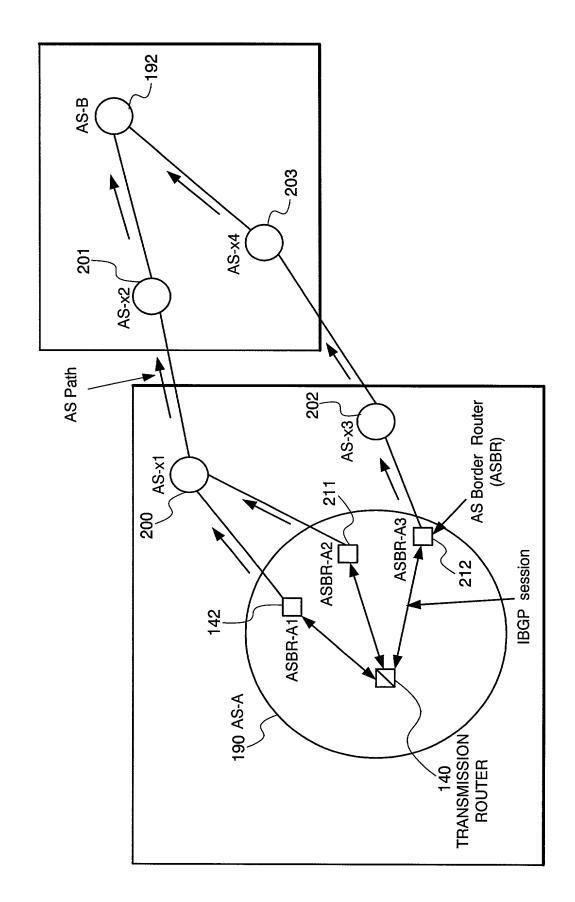


FIG. 4

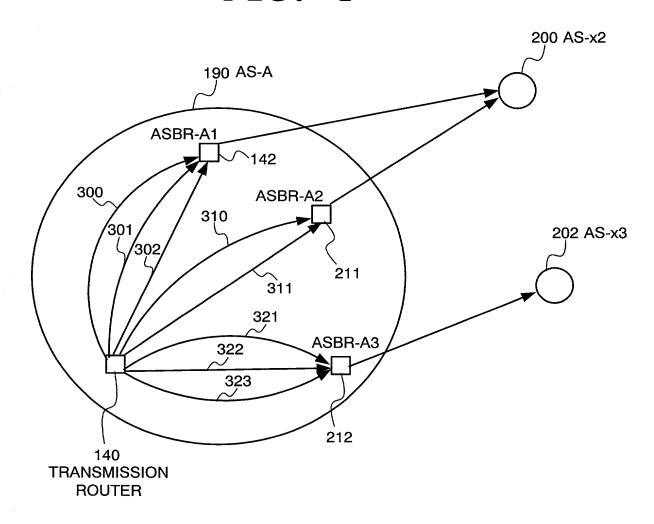


FIG. 5

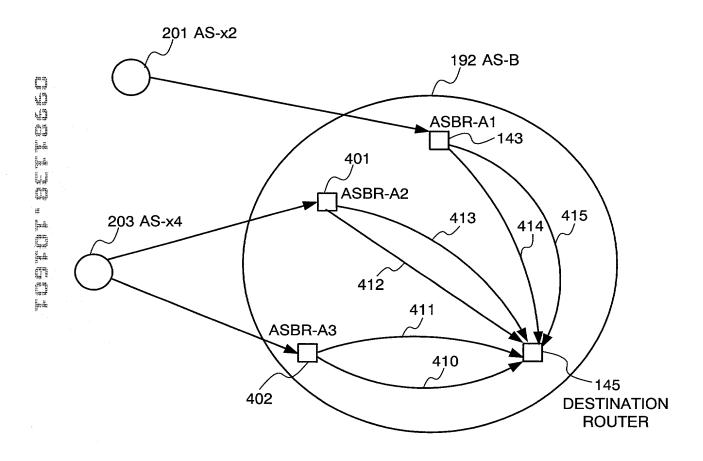
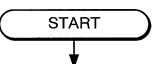


FIG. 6



USING PATH INFORMATION OF I-BGP (BGP-TE) PROCEDURE, TO EXTRACT GROUP (A) OF AS PATH CANDIDATES FROM OWN AS TO DESTINATION AS TO OBTAIN BANDWIDTH METRICS AND QOS METRICS SUCH AS RESIDUAL BANDWIDTH AND DELAY OF THESE Path, AS WELL AS OBTAINING OWN AS BORDER ROUTER ADDRESSES CORRESPONDING TO AS PATH CANDIDATE GROUP

900

USING PATH INFORMATION OF OSPF-TE UNIT, TO OBTAIN GROUP (B) OF PATH CANDIDATES FROM OWN NODE TO AS Border Router IN OWN AS AND BANDWIDTH METRICS AND QOS METRICS OF THESE Path

901

902 ~______

USING Path discovery protocol PROCEDURE, TO NOTIFY DESTINATION NODE OF OBTAINED AS Path CANDIDATE GROUP (A)

USING Path discovery protocol PROCEDURE, TO
RECEIVE, FROM DESTINATION NODE, CANDIDATES (C) FOR
PATHS FROM AS Border Router GROUP IN DESTINATION AS
TO DESTINATION NODE AND THEIR BANDWIDTH METRICS AND
QoS METRICS CORRESPONDING TO AS Path CANDIDATE
GROUP (A)

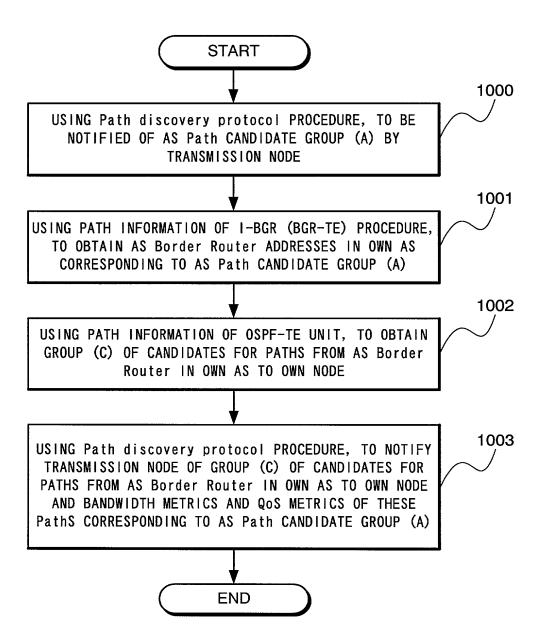
903

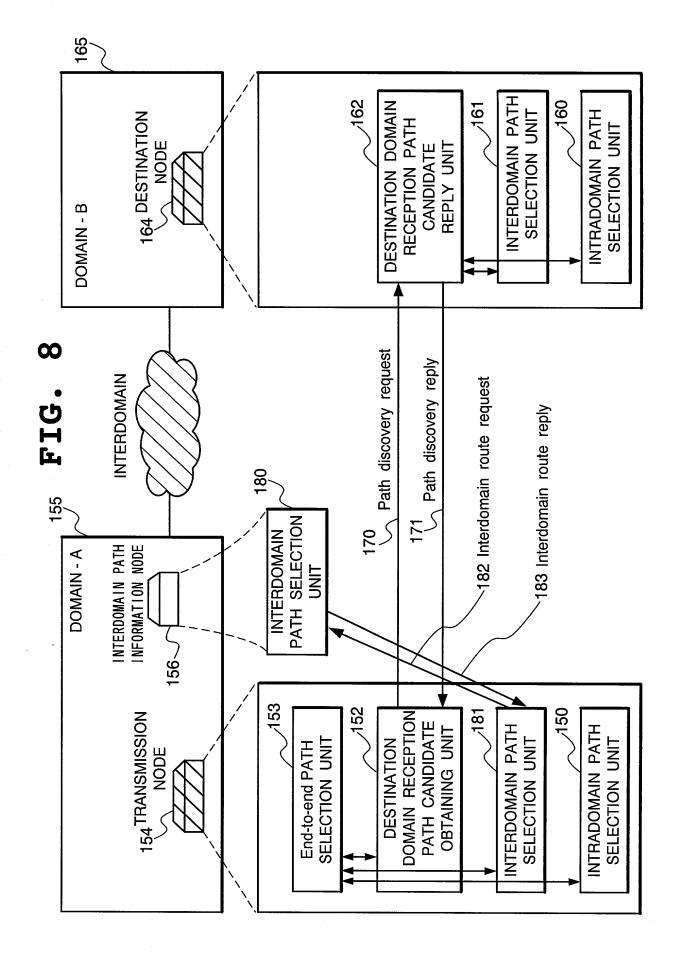
904

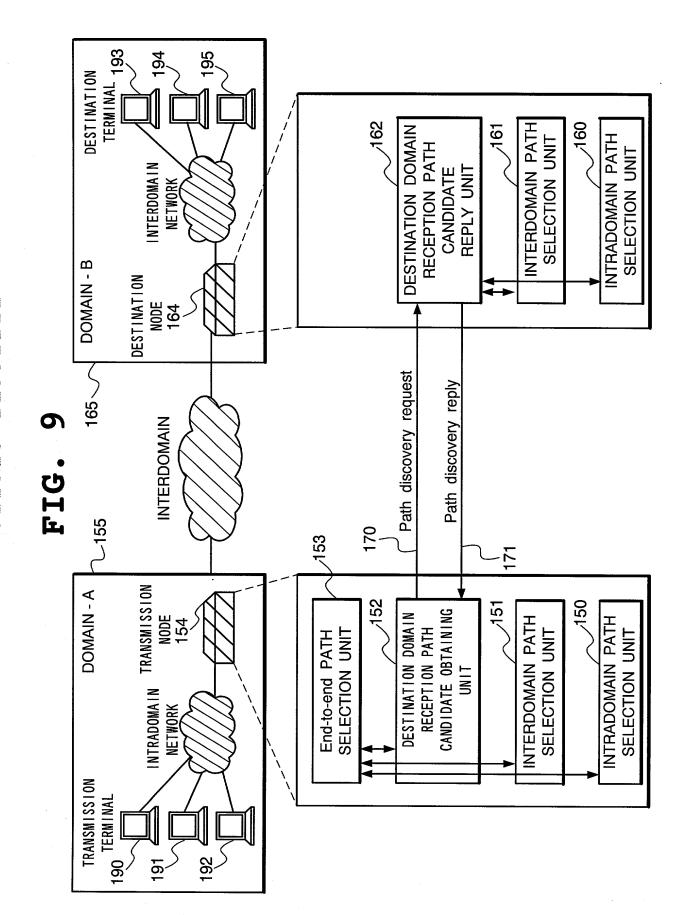
USING BANDWIDTH METRICS AND QOS METRICS OF THREE PATH CANDIDATES, GROUP (B) OF CANDIDATES FOR PATHS FROM OWN NODE TO AS BORDER ROUTER IN OWN AS, GROUP (A) OF CANDIDATES FOR AS PATHS FROM OWN AS TO DESTINATION AS AND GROUP (C) OF CANDIDATES FOR PATHS FROM AS BORDER ROUTER GROUP IN DESTINATION AS TO DESTINATION NODE, PATH CALCULATION UNIT CALCULATES OPTIMUM PATH FROM OWN NODE TO DESTINATION NODE

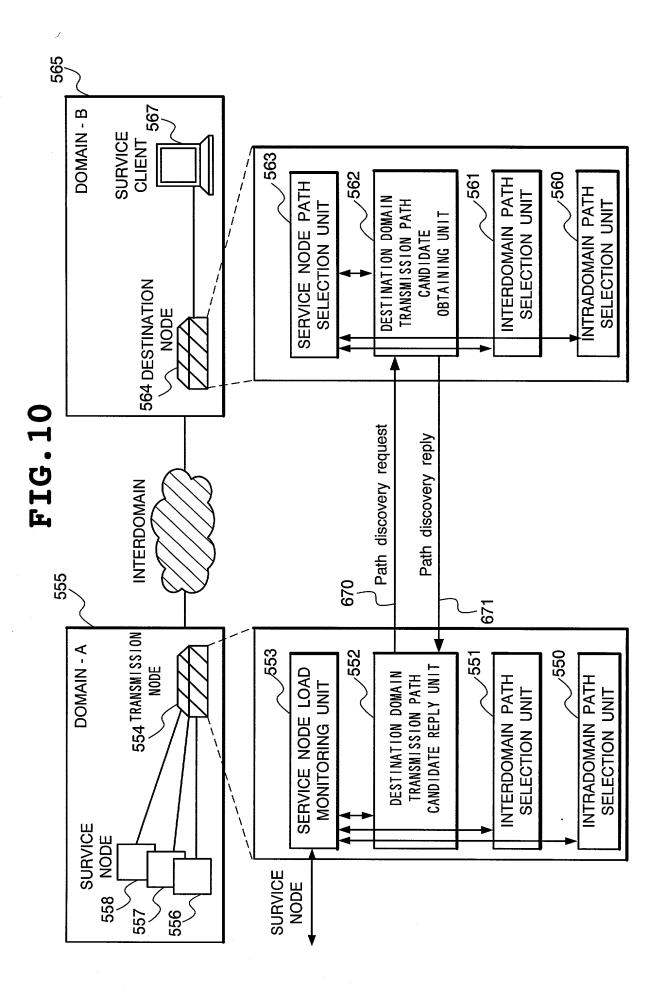
END

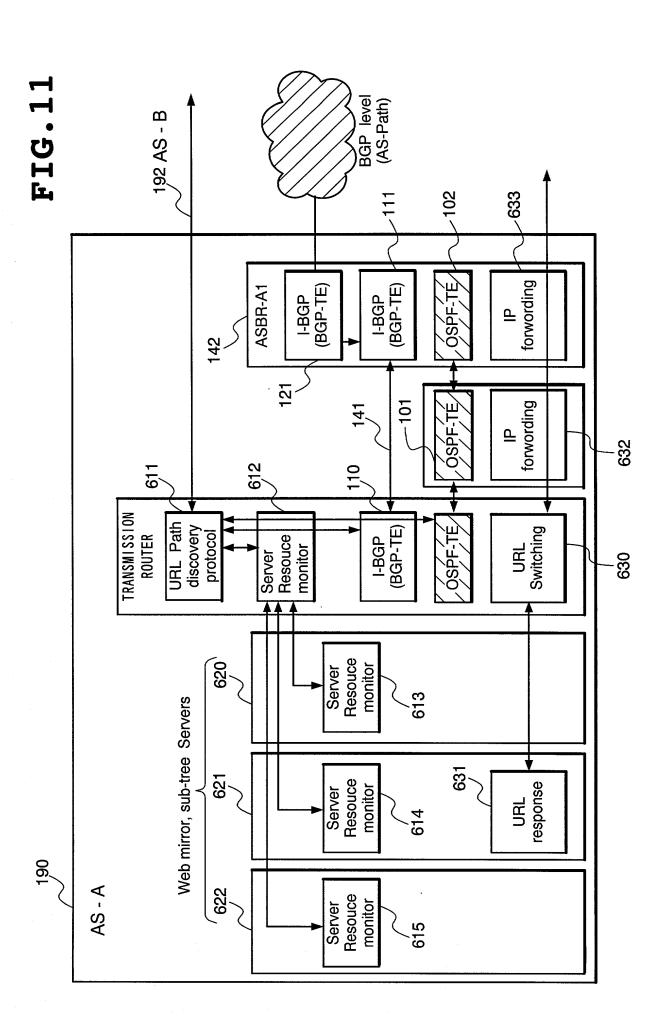
FIG. 7











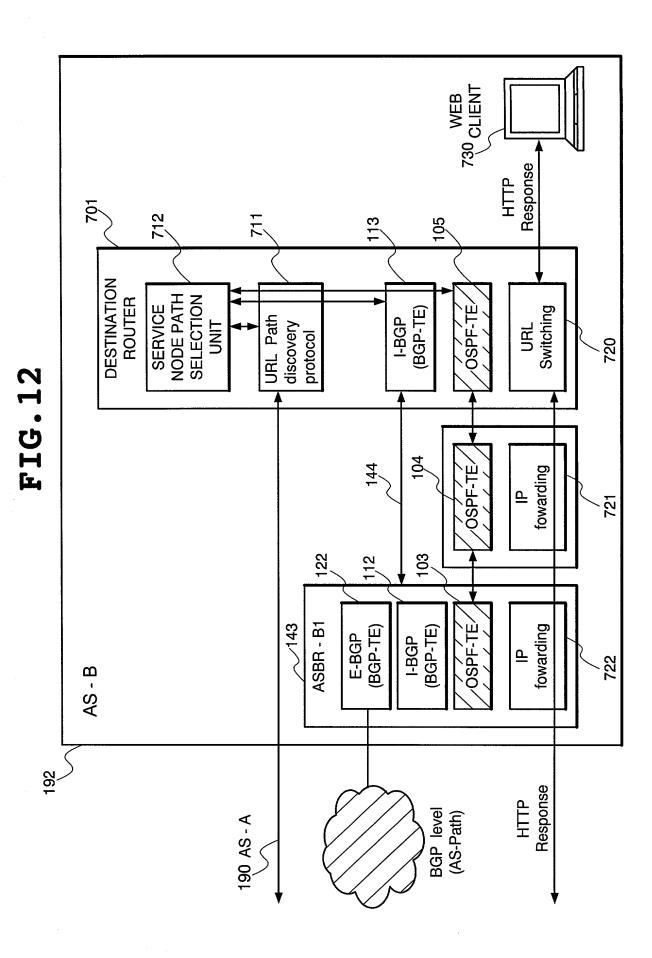
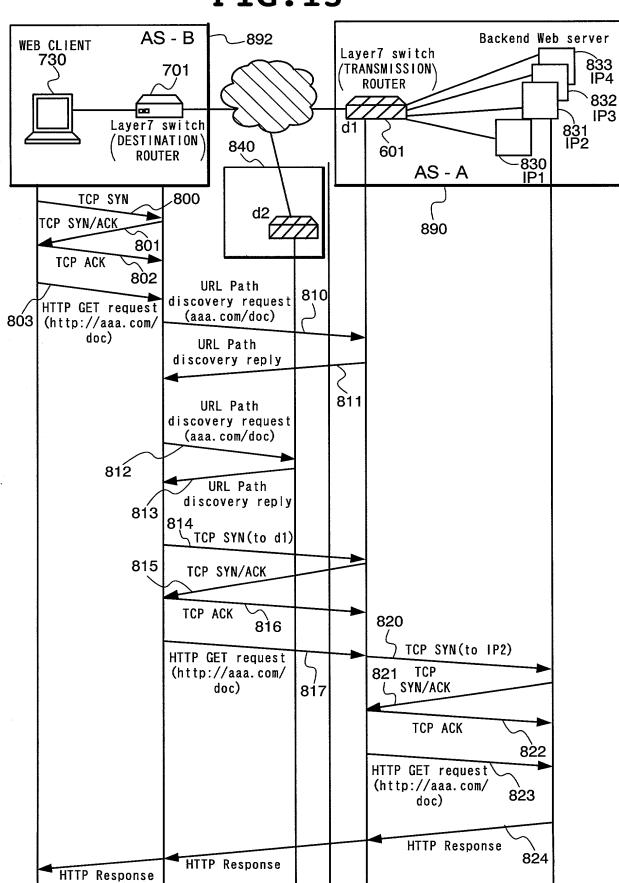


FIG.13



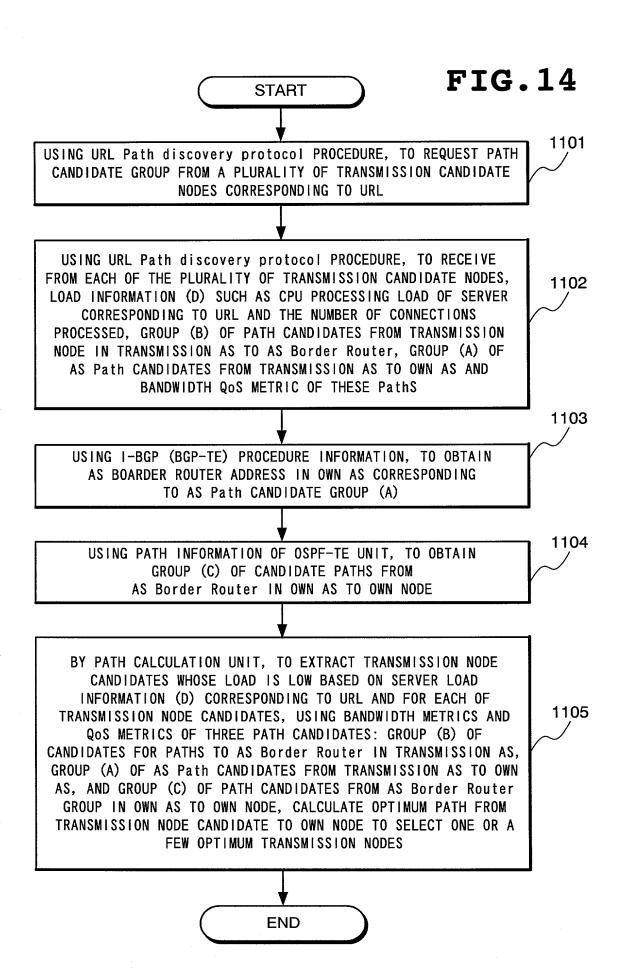


FIG. 15

